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KORGENE

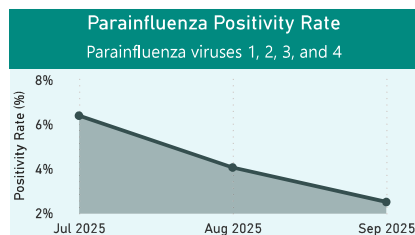
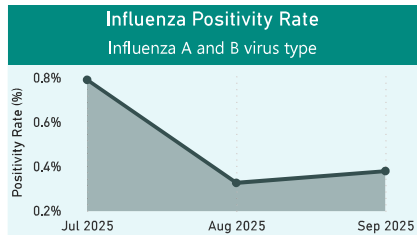
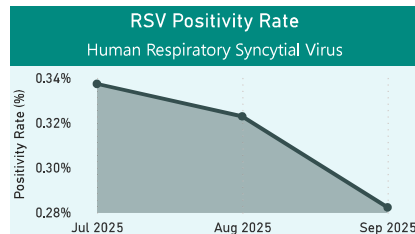
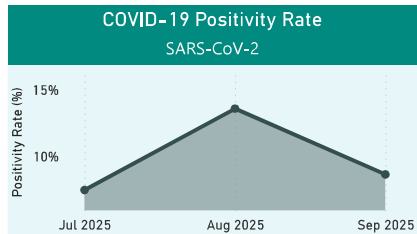
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Respiratory Pathogen Trend Report

Powered by Vikor Scientific COVID-19 and Respira-ID™ Test Panels

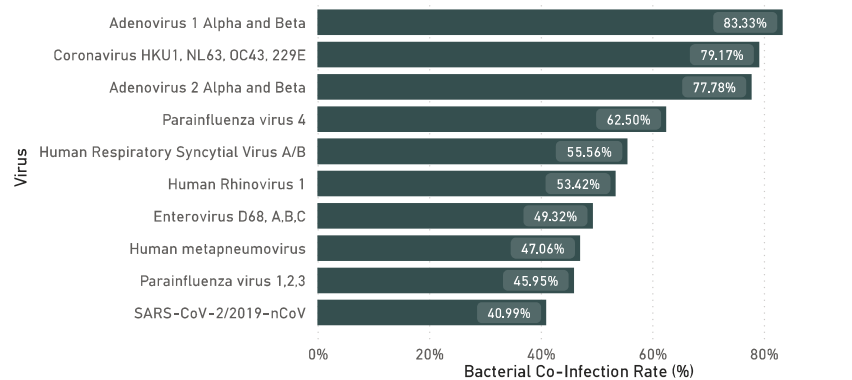
Jul - Sep 2025

Data Source: All test results are derived from Vikor Scientific's COVID-19 and Respira-ID™ test panels.



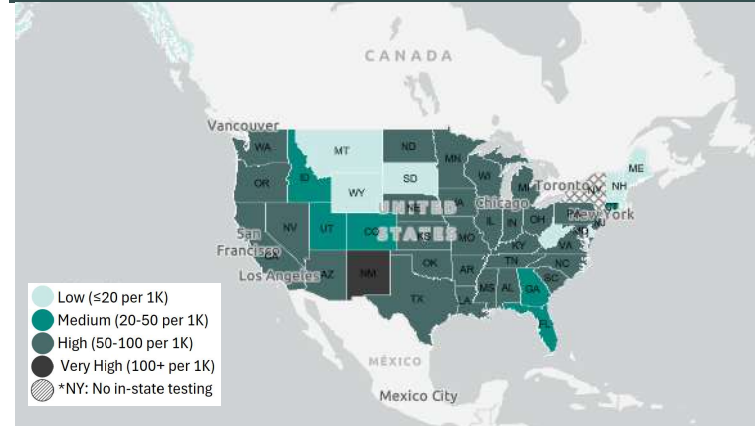
Bacterial Co-infection Rates Among Viral-Positive Patients

Percentage with concurrent bacterial infections



Patient Positivity Rates by State

Patients with positive respiratory test results per 1,000 tested



Pathogen Trend Activity

Trending Up

Pathogen	Change in Positivity (%)
Human Rhinovirus 1	+14.5%
Enterovirus D68, A,B,C	+4.0%

Moderate Activity

Pathogen	Change in Positivity (%)
Adenovirus 2 Alpha and Beta	+0.1%
Streptococcus pyogenes (Group A)	+0.1%
Chlamydia pneumoniae	+0.5%
Streptococcus pneumoniae	+0.6%
SARS-CoV-2/2019-nCoV	+1.2%
Legionella pneumophila	0.0%
Adenovirus 1 Alpha and Beta	-0.1%
Coronavirus HKU1, NL63, OC43, 229E	-0.1%
Human Respiratory Syncytial Virus A/B	-0.1%
Mycoplasma pneumoniae	-0.1%
Bordetella pertussis	-0.3%
Influenza A/B virus (Pan)	-0.4%
Parainfluenza virus 4	-0.4%
Klebsiella pneumoniae	-1.7%

Trending Down

Pathogen	Change in Positivity (%)
Staphylococcus aureus	-5.0%
Haemophilus influenzae	-4.8%
Parainfluenza virus 1,2,3	-3.5%
Human metapneumovirus	-2.5%

Key Trends

COVID-19 (SARS-CoV-2): Sustained upward trajectory from July through September, rising from approximately 7.5% to 13.5%, demonstrating continued circulation with modest but consistent increases during the late summer period.

RSV (Human Respiratory Syncytial Virus): Sharp decline from 0.34% in July to near-zero levels by September, demonstrating typical summer seasonal reduction with minimal circulation during warmer months.

Influenza A and B virus types: Maintained relatively low activity levels, declining from approximately 0.8% in July to 0.4% by September, consistent with expected summer seasonal patterns.

Parainfluenza (viruses 1, 2, 3, and 4): Steady decrease from approximately 6% in July to 2% in September, showing consistent downward trend throughout the three-month period, reflecting reduced circulation during summer months.

Footnotes:

- Overall Positivity Rate: percentage of patients who tested positive for any respiratory pathogen; patients may have been tested for multiple pathogens
- Overall Co-Infection rate: percentage of patients testing positive for multiple pathogens; includes any combination of viral and bacterial respiratory pathogens detected in the same patient
- Bacterial Co-infection Rate: percentage of viral-positive patients who also tested positive for bacterial pathogens
- Patient Positivity Rate Per State: number of patients with at least one positive test per 1,000 patients tested by state. Geographic analysis based on patient state of residence at time of testing.
- Pathogen Trend Activity: Trends compare the first and last month of data for selected time period. 'Trending Up/Down' indicates increases/decreases \pm 2%. 'Moderate Activity' indicates changes within \pm 2% per month

Disclaimer: Data provided "as is" for informational purposes only and not intended for clinical treatment guidance.

